

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/IB 03/01531

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M29/02 A61M25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 958 634 A (JANG G DAVID) 25 September 1990 (1990-09-25)	1-14, 16, 30-34, 41, 43-47, 49, 50, 65, 69 57-64
A	column 10, line 22 -column 12, line 63; figures 1-6 column 18, line 59 -column 20, line 30 --- -/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the International search report

7 January 2004

22/01/2004

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

Intern Application No
PCT/IB 03/01531

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 980 484 A (BLAESER DAVID ET AL) 9 November 1999 (1999-11-09) cited in the application	1-14, 16, 22, 23, 25, 26, 29-32, 34, 40, 42, 51-56, 65-69 57-64
A	column 5, line 64 -column 8, line 65 column 9, line 20-55 figures 1-8 ----	
X	US 5 090 958 A (SAHOTA HARVINDER) 25 February 1992 (1992-02-25) cited in the application	1-3, 5, 6, 13, 14, 30, 34, 40, 42, 43, 51-55, 65-69 57-64
A	column 4, line 30 -column 5, line 6; figures 1-3 ----	
A	US 5 002 531 A (BONZEL TASSILO) 26 March 1991 (1991-03-26) figures 1, 2 -----	1, 30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 03/01531

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 70, 71 because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern: Application No

PCT/IB 03/01531

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 4958634	A 25-09-1990	AT 115418 T AU 614976 B2 AU 1941888 A CA 1311980 C DE 3852488 D1 DE 3852488 T2 EP 0362268 A1 JP 2503276 T WO 8808727 A1 US 5071406 A US 5304132 A		15-12-1994 19-09-1991 06-12-1988 29-12-1992 26-01-1995 13-07-1995 11-04-1990 11-10-1990 17-11-1988 10-12-1991 19-04-1994
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US 5002531	A 26-03-1991	DE 3621350 A1 AT 59559 T AU 7484487 A CA 1300456 C DE 3766964 D1 WO 8800071 A1 EP 0313558 A1 JP 1501042 T JP 3017507 B		14-01-1988 15-01-1991 29-01-1988 12-05-1992 07-02-1991 14-01-1988 03-05-1989 13-04-1989 08-03-1991